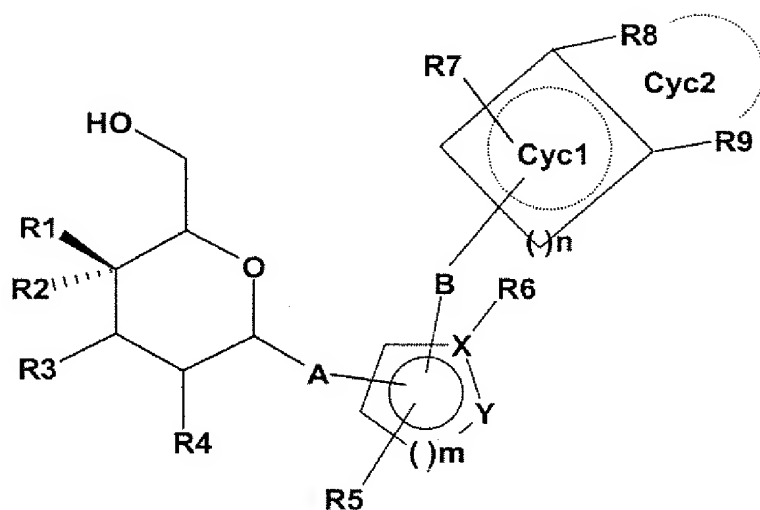


1. (previously amended) A compound of formula I



wherein

R1 and R2 are each independently F or H or one of said radicals R1 and R2 may be OH;

R3 is OH or F, with the proviso that at least one of the radicals R1, R2 and R3 must be F;

R4 is OH;

A is O;

X is C, O, S or N, with the proviso that X is C when Y is O or S;

Y is N, O or S;

m is 1 or 2;

R5 is hydrogen, F, Cl, Br, I, OH, CF₃, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, HO-(C₁-C₆)-alkyl or (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl,

wherein said (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, HO-(C₁-C₆)-alkyl, and (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl radicals are optionally substituted with one or more fluorine atoms,

or, when Y is S, R₅ and R₆ taken together with the carbon atoms to which they are attached may form a phenyl ring;

R₆ is H or (C₁-C₆)-alkyl;

B is CH₂- or -CO-NH-CH₂-;

n is 2 or 3;

Cyc1 is a 5- or 6- membered partially saturated or unsaturated ring, wherein one carbon atom of said ring may be replaced by S;

R₇, R₈, and R₉ are each independently hydrogen, F, Cl, Br, I, OH, CF₃, (C₁-C₆)-alkyl, (C₁-C₈)-alkoxy, HO-(C₁-C₆)-alkyl or (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl,

wherein said (C₁-C₆)-alkyl, (C₁-C₈)-alkoxy, HO-(C₁-C₆)-alkyl and (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl radicals are optionally substituted with one or more fluorine atoms,

or R₈ and R₉ taken together with the carbon atoms to which they are attached form a 5- or 6- membered, partially saturated or completely unsaturated ring herein referred to as Cyc2,

wherein one carbon atom in said Cyc2 ring is optionally replaced by O or S, and wherein said Cyc2 ring is optionally substituted with (C₁-C₆)-alkyl,

and wherein a -CH₂- group contained in said (C₁-C₆)-alkyl radicals is optionally replaced by -O-;

and pharmaceutically acceptable salts thereof.

2. (previously amended) The compound of Claim 1 wherein:

R1 and R2 are each independently F or H,
with the proviso that at least one of said radicals R1 and R2 is F;

R3 is OH;

R4 is OH;

A is O or NH;

X is C, O or N, with the proviso that X is C when Y is S;

Y is N or S;

m is 1 or 2;

R5 is hydrogen, F, Cl, Br, I, OH, CF₃, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, HO-(C₁-C₆)-alkyl or (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl,

wherein said (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, HO-(C₁-C₆)-alkyl and (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl radicals are optionally substituted with one or more fluorine atoms,

or when Y is S, R5 and R6 taken together with the carbon atoms to which they are attached may form a phenyl ring;

R6 is H or (C₁-C₆)-alkyl;

B is -CH₂- or -CO-NH-CH₂-;

n is 2 or 3;

Cyc1 is a 5- or 6- membered partially saturated or unsaturated ring, wherein one carbon atom of said ring may be replaced by S;

R7, R8, and R9 are each independently hydrogen, F, Cl, Br, I, OH, CF₃, (C₁-C₆)-alkyl, (C₁-C₈)-alkoxy, HO-(C₁-C₆)-alkyl or (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl, wherein said (C₁-C₆)-alkyl, (C₁-C₈)-alkoxy, HO-(C₁-C₆)-alkyl and (C₁-C₆)-alkyl-O-(C₁-C₆)-alkyl radicals are optionally substituted with one or more fluorine atoms,

or R8 and R9 taken together with the carbon atoms to which they are attached form a 5- or 6- membered partially saturated or completely unsaturated ring herein referred to as Cyc2,

wherein one carbon atom in said Cyc2 ring is optionally replaced by O or S, and wherein said Cyc2 ring is optionally substituted with (C₁-C₆)-alkyl,

and wherein a -CH₂- group contained in said (C₁-C₆)-alkyl radical is optionally replaced by -O-.

3. (previously amended) The compound of Claim 1 wherein the sugar residues are beta(β)-linked and the stereochemistry in the 2, 3 and 5 position of the sugar residue has the D-glucos configuration.

4. (previously amended) The compound of Claim 1 wherein:

R1 and R2 are each independently F or H, with the proviso that at least one of said radicals R1 and R2 is F;

R3 is OH;

R4 is OH;

A is O;

X is C, O or N, with the proviso that X is C when Y is S;

Y is N or S;

m is 1;

R5 is hydrogen, (C₁-C₅)-alkyl, (C₁-C₄)-alkoxy, HO-(C₁-C₄)-alkyl or (C₁-C₄)-alkyl-O-(C₁-C₄)-alkyl,
 or when Y is S, R5 and R6 taken together with the carbon atoms to which they are attached may form a phenyl ring;

R6 is H or (C₁-C₆)-alkyl;

B is -CH₂- or -CO-NH-CH₂-;

n is 2 or 3;

Cyc1 is an unsaturated 5- or 6-membered ring, wherein one carbon atom of said ring may be replaced by S;

R7, R8, and R9 are each independently hydrogen, F, Cl, Br, I, OH, (C₁-C₄)-alkyl, OCH₂CF₃, (C₁-C₈)-alkoxy, HO-(C₁-C₆)-alkyl, (C₁-C₄)-alkyl-O-(C₁-C₄)-alkyl or OCF₃,
 or R8 and R9 taken together form the radicals -C=CH-O-, -CH=CH-S- or -CH=CH-CH=CH- and, with the carbon atoms to which they are attached, form an unsaturated or partially saturated 5- or 6-membered ring, said ring being optionally substituted by (C₁-C₄)-alkoxy.

5. (previously amended) The compound of Claim 1 wherein:

R1 and R2 are each independently F or H,
 with the proviso that at least one of said radicals R1 and R2 is F;

R3 is OH;

R4 is OH;

A is O;

X is C and Y is S, or
is O and Y is N, or
is N and Y is N;

m is 1;

R5 is hydrogen, CF₃, (C₁-C₆)-alkyl, or when Y is S, R5 and R6 taken together with the carbon atoms to which they are attached may form a phenyl ring,

R6 is H or (C₁-C₄)-alkyl;

B is -CH₂- or -CO-NH-CH₂-;

n is 2 or 3;

Cyc1 is an unsaturated 5- or 6-membered ring, wherein one carbon atom of said ring may be replaced by S;

R7, R8, and R9 are each independently hydrogen, F, Cl, Br, I, (C₁-C₆)-alkyl, (C₁-C₄)-alkoxy or OCF₃,

or R8 and R9 taken together form the radicals -C=CH-O- or -CH=CH-CH=CH- and, with the carbon atoms to which they are attached, form an unsaturated or partially saturated 5- or 6-membered ring, said ring being optionally substituted by (C₁-C₄)-alkoxy.

6. (original) The compound of Claim 1 wherein:

R1 and R2 are each independently F or H,

with the proviso that at least one of said radicals R1 and R2 is F;

R3 is OH;

R4 is OH;

A is O;

X is C and Y is S, or
is N and Y is N;

m is 1;

R5 is hydrogen, CF₃, (C₁-C₆)-alkyl, or when Y is S, R5 and R6 taken together with the carbon atoms to which they are attached may form a phenyl ring,

R6 is H or (C₁-C₄)-alkyl;

B is -CH₂- or -CO-NH-CH₂-;

n is 2 or 3;

Cyc1 is phenyl or thiophene;

R7, R8, and R9 are each independently hydrogen or Cl,

or R8 and R9 taken together with the carbon atoms to which they are attached, form a furan ring or a phenyl ring optionally substituted with methoxy.

7. (original) A pharmaceutical composition comprising a compound of Claim 1 and a pharmaceutically acceptable carrier.

8. (canceled).

9. (withdrawn) A method of treating type 1 or type 2 diabetes which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of Claim 1.
10. (withdrawn) A method of lowering blood glucose which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of Claim 1.
11. (withdrawn) A method of treating type 1 or type 2 diabetes which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of Claim 1 with at least one other blood glucose-lowering active ingredient.
12. (withdrawn) A method of lowering blood glucose which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of Claim 1 with at least one other blood glucose-lowering active ingredient.